

## NON-CONFIDENTIAL SUMMARY OF SEA

**Legal name of applicant(s):** *DCC Maastricht B.V. OR (Only Representative)*

**Submitted by:** *DCC Maastricht B.V. OR (Only Representative)*

**Substance:** *C.I. Pigment Yellow 34 (PY.34) and C.I. Pigment Red 104 (PR.104)*

**Use title:** *Distribution and formulation of C.I. Pigment Yellow 34 and C.I. Pigment Red 104 powder into paste/dispersions and solvent-based coloured paints with specific functions for industrial or professional use on non-consumer articles.*

**Use number:** *1*

**NON-CONFIDENTIAL SUMMARY OF SEA**

At the formulation stage no meaningful analysis can be completed as it is in the end use the value and importance of the pigments can be differentiated. The analysis of the socio-economic impacts expected in the “non-use” scenario is therefore included in the Socio-Economic Analysis for Use 2<sup>1</sup> and in the Socio-Economic Analysis for Use 3<sup>2</sup>.

---

<sup>1</sup> Industrial application of coating containing C.I. Pigment Yellow 34 and C.I. Pigment Red 104 on metal surfaces of non-consumer articles.

<sup>2</sup> Professional application of coating containing C.I. Pigment Yellow 34 and C.I. Pigment Red 104 on non-consumer articles.

## SOCIO-ECONOMIC ANALYSIS

**Legal name of applicant(s):** *DCC Maastricht B.V. OR (Only Representative)*

**Submitted by:** *DCC Maastricht B.V. OR (Only Representative)*

**Substance:** *C.I. Pigment Yellow 34 (PY.34) and C.I. Pigment Red 104 (PR.104)*

**Use title:** *Distribution and formulation of C.I. Pigment Yellow 34 and C.I. Pigment Red 104 powder into paste/dispersions and solvent-based coloured paints with specific functions for industrial or professional use on non-consumer articles.*

**Use number:** *1*

**CONTENTS**

1. AIMS AND SCOPE OF SEA ..... 1

## 1. AIMS AND SCOPE OF SEA

The analysis of the socio-economic impacts expected in the relevant supply chains under the non-granted authorization scenarios is included in the Socio-Economic Analysis for Use 2<sup>1</sup> and in the Socio-Economic Analysis for Use 3<sup>2</sup>. This is due to the fact that no meaningful analysis can be completed at the formulation stage as it is in the end use the value and importance of the pigments can be differentiated.

Use 1 has been entitled as follows:

“Distribution and formulation of C.I. Pigment Yellow 34 and C.I. Pigment Red 104 powder into paste/dispersions and solvent-based coloured paints<sup>3</sup> with specific functions for industrial or professional use on non-consumer articles”.

Examples of coated objects are high grade steel based products e.g. piping for the (petro) chemical industry, crane arms, agricultural machinery, road furniture and markings, steel bridges, construction arches, steel skips, coil coated products (e.g. roofing). High quality of the coating is crucial for the long-term functioning and protection of the objects, i.e. where fading of the colour could endanger public or worker safety, where regular repainting could create difficult or risky situations (steel bridges, traffic jams) or where idle time of specialty equipment would incur high costs.

Pigment choice is based on requirements for the end application related to:

- **VISIBILITY AND SAFETY** - Based on their bright, vivid, durable colours, these pigments are used when visibility and safety are important, especially in regulated applications such as road marking;
- **DURABILITY** - The pigments respond to the demand for high performance pigments, e.g. in aggressive atmospheric conditions in industrialized areas, providing excellent light and weather fastness, preventing applications to darken or fade if exposed to light and humidity; excellent resistance to sulfur dioxide, preventing discolouration (greyness) and loss of gloss, required for exterior applications;
- **SHADE FUNCTIONALITY** - Their colour covers a wide range from green to red shade yellow and yellow to blue shade red;
- **COLOURISTIC AND TECHNICAL PERFORMANCE** - Within the listed colour range, these pigments provide clean, vivid colours (chroma); excellent opacity or hiding power; excellent weather fastness. The perceived colour remains the same regardless of the light source (no metamerism). They also provide excellent rheology in coatings; excellent non-bleeding properties, non-migration properties and impact resistance in coatings.

---

<sup>1</sup> Industrial application of coating containing C.I. Pigment Yellow 34 and C.I. Pigment Red 104 on metal surfaces of non-consumer articles.

<sup>2</sup> Professional application of coating containing C.I. Pigment Yellow 34 and C.I. Pigment Red 104 on non-consumer articles.

<sup>3</sup> The words paints and coatings are used as synonyms and disorderly in this document. Although strictly speaking they refer to different stages, we use them with the same intention.